



# भारत का राजपत्र

## The Gazette of India

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No. 48] NEW DELHI, SATURDAY, NOVEMBER 26, 1994 (AGRAHAYANA 5, 1994)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 26th November 1994

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Telegraphic address "PATENTOFIC".

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Patent Office Branch,  
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Madras-600 002.

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and the Union Territories of  
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floor, 234/4, Acharva Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

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## पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 26 नवम्बर 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर परेल (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोजा, दमन तथा  
दोव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405; तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिक”

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहत्तलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या ऐक्ट नं. 1970 में अपे-  
क्षित सभी आवेदन-पत्र, सूचनाएं, निवर्णन या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शर्तक :—शर्तकों की अदायगी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भगतान योग्य धनादेश अथवा  
डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भगतान योग्य बैंक ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

# APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the date  
claimed under section 135, of the Patent Act, 1970.

26-09-1994

773/Cal/94. Cirrus Logis, Inc. Spacer Flash Cell Pro-  
cess.774/Cal/94. Siemens Aktiengesellschaft. Method of Bond-  
ing a contact facing Composed of Silver/Metal  
Oxide material to a metallic contact carrier  
and associated contact facing.775/Cal/94. Siemens Aktiengesellschaft. Method and device  
for measuring an electrical alternating quantity  
with temperature compensation.776/Cal/94. Siemens Aktiengesellschaft. Method and ar-  
rangement for measuring an electric current with  
two light signals propagating in opposite direc-  
tions, using the faraday effect.777/Cal/94. Siemens Aktiengesellschaft. Process for operat-  
ing a Continuous-Flow steam Generator and  
Continuous-Flow steam Generator working Ac-  
cordingly.778/Cal/94. Siemens Aktiengesellschaft. Steam-Generator  
tube with inner ribbing and steam generator for  
its use.779/Cal/94. Siemens Aktiengesellschaft. Apparatus for  
coolant of the gas turbine of a gas-turbine and  
steam-turbine plant.780/Cal/94. Johnson & Johnson, Inc. Package for dispens-  
ing a fluid treating substance and method and  
apparatus for heat-sealing the dispensing package.781/Cal/94. Johnson & Johnson Inc. Sphagnum moss com-  
position for the production of sheeted absorbent  
and method for evaluating the potential of spha-  
gnum moss material for absorbing liquid.782/Cal/94. Dr. Fischer Aktiengesellschaft. Device for  
determining the effect of pulsed magnetic fields  
on a organism.783/Cal/94. The Babcock & Wilcox Company. Water/  
steam-cooled U-beam impact type particle separa-  
tor.784/Cal/94. Goldstar Co Ltd. Method and device for  
thawing food in microwave oven.785/Cal/94. Glenayre Electronics, Inc. High speed simul-  
cast data system using adaptive compensation.786/Cal/94. Ram Nagina Rai. Invention of hardware model  
for environmental sanitation.

27-09-1994

787/Cal/94. Fraunhofer-Gesellschaft Zur Forderung Der An-  
gewandten Forschung e.V. Process for the pro-  
duction of Spherulitic Nitroguanidine.

788/Cal/94. Indian Association for the Cultivation of Science. Improvement relating to double junction amorphous silicon solar cells.

789/Cal/94. CH. G.G.K. Murty, Mrs. R. Sripriya, Mr. H. N. Prasad, Mr. P. V. T. Rao and Dr. Amit Chatterjee of the Tata Iron & Steel Co. Ltd. A Process for reducing the alkali content in blast furnace flue dust/GCP Sludge for their reuse in sinter making.

28-09-1994

790/Cal/94. Santanu Roy. A Process for making polymeric foam bodies having industrial application from cellulose waste materials. (Divided out of No. 200/Cal/94; antedated to 25-10-94).

791/Cal/94. PPG Industries, Inc. Water dispersion of polyester.

792/Cal/94. Aktsionernoe Obschestvo Zakrytogo Tipa "RNT". Device for screening Electron-Beam tubes.

793/Cal/94. Goldstar Co. Ltd. A Buzzer Driving apparatus of a microwave oven and the method thereof.

794/Cal/94. SKF Textilmaschinen-Komponenten GmbH. Top roller carrier for drafting system Rolling mills of spinning machines.

30-09-1994

795/Cal/94. Johnson & Johnson Consumer Products, Inc. Nipple for baby bottle.

796/Cal/94. Johnson & Johnson Consumer Products, Inc. Molding irregular objects.

797/Cal/94. The Mead Corporation. Carton folding mechanism for wraparound cartons.

798/Cal/94. Kumiai Chemical Industry Co. Ltd. & Others. A method of preparing pyridine Derivatives having Herbicidal activities. (Divided out of No. 402/Cal/92; antedated to 4-6-92).

799/Cal/94. Kumiai Chemical Industry Co. Ltd. & Others. A method of preparing pyridine derivatives having herbicidal activities. (Divided out of No. 401/Cal/92; antedated to 4-6-92).

Application for the Patent filed at Patent Office Branch, Municipal Market Building, IIIrd Floor, Karol Bagh, New Delhi-110005

01-07-94

831/Del/94. Bdag Balcke-Durr Aktiengesellschaft, "Heat exchanger with a plurality of parallel heat exchanger tubes".

04-07-94

832/Del/94. Keiichihiro Yamazaki, "Method for connecting inside-empty vertical and horizontal blocks of block-joining materials for the engineering and construction works and block-joining materials".

833/Del/94. S.N.F. , Societe anonyme, "Process for fluidifying aqueous suspensions of red muds in the production of alumina by the bayer process".

834/Del/94. L'air liquide, societe anonyme pour L'etude et L'exploitation des procedes georges claudes, "High pressure gas supply installation".

835/Del/94. Shell Internationale Research Maatschappij B.V., "epoxidation catalyst".

836/Del/94. Square D. Company, "Pre-bussed rigid conduit".

05-07-94

837/Del/94. Margrit Dislich, "An arrangement for the connection of new cast strip".

838/Del/94. L'air liquide, societe anonyme pour L'etude et L'exploitation des procedes georges claudes, "Gas purifier".

839/Del/94. Motorola, Inc., "Interconnection structure for cross-talk reduction to improve off-chip selectivity".

840/Del/94. Motorola, Inc., "Method and apparatus for multiplexing fixed length message data and variably coded speech".

06-07-94

841/Del/94. The M. W. Kellogg Company, "Coal Gasification and sulfur removal process".

842/Del/94. The M.W. Kellogg Company, "Transport Gasifier".

843/Del/93. Hercules Incorporated, "Cation-Complexed polysaccharides".

844/Del/94. The whitaker corporation, "A tool for applying wedge type electrical connectors to the conductors of electrical distribution".

845/Del/94. VPP Corporation, "Dietary fiber composition, method of preparation and use".

07-07-94

846/Del/94. Procter & Gamble Company, "Thermoplastic elastomeric copolymers and hair and skin care compositions containing the same".

847/Del/94. Procter & Gamble Company, "Thermoplastic elastomeric copolymers and hair and skin care compositions containing the same".

848/Del/94. The Procter & Gamble Company, Nobo Nordisk "A detergent composition comprising cellulolytic enzymes". (Convention date 12th July 1993) U.K.

849/Del/94. Satish Kumar Munjal (Indian), "Petrol saver for automobiles".

850/Del/94. Stamet, Inc., "Hopper and method".

851/Del/94. Voest-Alpine Industrie anlagenbau GMBH, "Process for producing a metal melt".

852/Del/94. Asea Brown Boveri AB, "HVDC transmission".

853/Del/94. Battery Technologies Inc., "A process for producing the Anode mix for a rechargeable alkaline cell". (Convention date 6th Nov. 1989)—Canada".

854/Del/94. Upendra Kachru, "A roof thermal protection system".

855/Del/94. Upendra Kachru, "A system for cooling/heating of the building".

856/Del/94. Saju (Chacko Sebastian), "A rubber tapping knife".

08-07-94

857/Del/94. Thapar Corporate Research and Development Centre, "Ecologically sustainable product from wastel ignocellulosic materials and a method for obtaining the same".

858/Del/94. Hunter Douglas International NV., "A paneling system and a support stringer therefor".

859/Del/94. Compagnie Francaise D'etudes et de construction techuip, "Self-refrigerated method of cryogenic fractionation and purification of gas and heat exchanger for carrying out the method".

860/Del/94. Kjell Karlsson, "A method and a device for treating materials".

861/Del/94. BP Chemicals Limited & The British Petroleum Company, "Process for separating components of a liquid mixture". (Convention date 21st July 1993) U.K.

11-07-94

- 862/Del/94. The Director, Forest Research Institute, P.O. New Forest Dehra Dun, "A pencil and a process for the manufacture thereof".
- 863/Del/94. The Chief Controller of Research & Development, Ministry of Defence, "Process for making carbon coated breathable fabric".
- 864/Del/94. The Director, Dr. S.R. Doradla and Mr. V. V. Desh Pande, "Current prediction scheme for parallel resonant DC link inverters".
- 865/Del/94. The Director, Indian Institute of Technology, Dr. S.R. Doradla and Mr. V. V. Desh Pande, "A new topology for parallel resonant DC link inverter suitable for AC drives and power supplies".
- 866/Del/94. Motorola, Inc., "Method and apparatus for operating with a hopping control channel in a communication system".
- 867/Del/94. Council of Scientific & Industrial Research, "An improved distillate fuel oil composition having improved cold flow characteristics".
- 868/Del/94. Council of Scientific and Industrial Research, "An improved distillate fuel oil composition having improved cold flow characteristics".
- 869/Del/94. Council of Scientific and Industrial Research, "An improved process for the extraction of mixture or linear terminal olefin-linear paraffin from coker distillates".
- 870/Del/94. Council of Scientific and Industrial Research, "An improved process for the conversion of phenol into a mixture of hydroquinone and catalyst".
- 871/Del/94. Council of Scientific and Industrial Research, "An improved process for the production of LPG and high octane aromatic hydrocarbons from non-economically viable petroleum feed stocks".
- 872/Del/94. Council of Scientific and Industrial Research, "An improved process for the production of high purity magnesia from magnesite".

12-07-94

- 873/Del/94. Virus Research Institute, "Phosphazene poly-electrolytes as immuno adjuvants".
- 874/Del/94. Pall Corporation, aramid fiber filtration sheet".
- 875/Del/94. Ashok Kumar Das, "An electronic hydrometer-cum viscometer".
- 876/Del/94. Bakhtawar Lal Sood, "A device for use before the water meter".
- 877/Del/94. Roussel-uclaf, "Process for the preparation of 6-(Trifluoromethyl)-Benzyl Alcohol Derivatives".
- 878/Del/94. Erno Raumfahrttechnik GMBH, "Control device".
- 879/Del/94. Albright & Wilson Limited, "Anticorrosive pigments", (Convention date 13th July 1993 and 24th December 1993) U.K.
- 880/Del/94. Otsuka Pharmaceutical Factory, Inc., of 115, and otsuka pharmaceutical Co., Ltd., of 9, "Medical material and process for producing the same".
- 881/Del/94. Pakcentre Limited, "Methods for conveying objects through apparatus, packing apparatus and methods for packing materials in cartons". (Convention date 15th July 1993)—U.K.

13-07-94

- 882/Del/94. Ajai Kumar Sonkar, "Process for the production of spherical cultured pearls using indigenous nuclei in freshwater".
- 883/Del/94. Platinum plus, Inc., "Method for reducing emissions of no and particulates from a deesal engine".
- 884/Del/94. Hsueh-Meng Liao, "Portable Toilet".
- 885/Del/94. Pont-a-mousson S.A., "Device and process for the contact-free measurement of Linings of cast iron pipes".
- 886/Del/94. The Procter & Gamble Company, "Detergent-package combination". (Convention date 14th July 1993 and 23rd June 1994) U.K.
- 887/Del/94. The Procter & Gamble Company, "Stabilized Bleaching Compositions". (Convention date 14th July 1993) U.K.
- 888/Del/94. The Procter & Gamble Company, "Detergent-Package Combination". (Convention date 14th July, 1993, 23rd June 1994 and 30th June 1994) U.K.
- 889/Del/94. Ast Holding Ltd., "Method and apparatus for applying a heated composition to a substrate".
- 890/Del/94. Kailash Narayan Vakil, "A water-tap with remote control for public hydrant".

15-07-94

- 891/Del/94. Goldstar Co. Ltd., "Control apparatus and method for inhalation power of vacuum cleaner".
- 892/Del/94. Alps Textiles Pvt. Ltd., "A process for the preparation of natural dyes".
- 893/Del/94. Alps Textiles Pvt. Ltd., "A process for the preparation of natural dyes".
- 894/Del/94. Motorola, Inc., "A method for determining desired components of quadrature modulated signals".
- 895/Del/94. Motorola Lighting, Inc., "Parallel resonant ballast with boost".
- 896/Del/94. Centre Stephanois De Recherches Mecaniques Hyqdronecanique et frottement, "Method of nitriding ferrous metal parts having improved corrosion resistance".
- 897/Del/94. Paradigm Industries, Inc., "A power processor for metal halide lamps".
- 898/Del/94. Centre stephanois de recherches mecaniques hydromecanique et frottement, "Method of improving the wear and corrosion resistance of ferrous Metal Parts".

## ALTERATION OF DATE UNDER SECTION-16

Patent No. 174409 (490/M/93) Antedated to 27th November 1991.

Patent No. 174410 (491/M/93) Ante-dated to 27th November 1991.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed

alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट आवेदन का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकत है। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देश का टांकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने निचे वर्णित चित्र आरेख कार्यों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 128F

174381

Int. Cl.<sup>4</sup> : A61M 25/00, 25/02

### CATHETER BUTTONS.

Applicant : BEST INDUSTRIES, INC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF VIRGINIA, 7643-B, FULLERTON ROAD, SPRINGFIELD, VIRGINIA 22153, U.S.A.

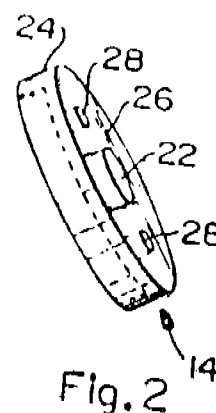
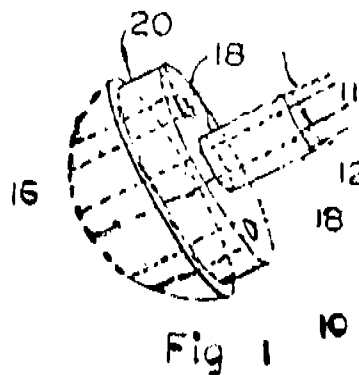
Inventors : KRISHAN SUTHANTHIRAN.

Application for Patent No. 85/Del/89 filed on 31st January, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 3)

A catheter button comprising a non-metallic button body portion having a central opening extending therethrough and a metallic marker integral with said body portion, and coupling means for integrally holding the metallic marker on the exterior of the button body.



(Compl. Specn. 9 Pages

Drgs. Sheets.)

Ind. Cl. : 128G, 23H,

174382

Int. Cl.<sup>4</sup> : A61N, 1/00.

### STORAGE AND TRANSPORT CONTAINERS FOR RADIOACTIVE MATERIALS.

Applicant : BEST INDUSTRIES, INC., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF VIRGINIA, 7643-B, FULLERTON ROAD, SPRINGFIELD, VIRGINIA 22153, U.S.A.

Inventors : KRISHNAN SUTHANTHIRAN.

Application for Patent No. 86/Del/89 filed on 31st Jan. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 15)

A storage and transport container (10) for small-diameter ribbon-like lengths of radioactive substances for use in medical comprises :

- an exterior shell (16) for radiation shielding metal having top and bottom members of radiation metal integral therewith;

a central cavity (16) also formed of radiation shielding metal formed in and extending downward from the top (14) of said container and forming a central cavity (16), and central cavity being separate from the interior exterior shell material of the container and extending downwardly a distance less than the height of the container;

a plurality of carrier tubes (20) located within the interior (22) of the container and having one end of each tube (10) opening through one side (11) of the container and the other end of such tube opening through the opposite lateral side of the container with the central portion of each such tube passing under said central cavity (16) and a plug (17) of radiation shielding metal removably located in the top (17) of said central cavity (16) for shielding the radiation from radiation sources located within the container (10).

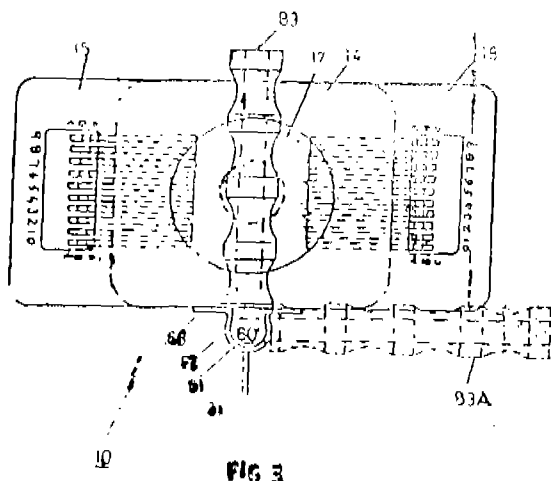


FIG 3

(Compl. Specn. 32 pages

Drgns. 10 sheets).

Ind. Cl. : 128G

174383

Int. Cl.<sup>4</sup> : A61B 3/00, 8/00, 17/00.

AN APPARATUS FOR PLACING A PREPARED SYNTHETIC LENTICULE OVER THE CORNEA OF A HUMAN EYE.

Applicant : KEITH P. THOMPSON, OF 4584 E. BROOKHAVEN DRIVE, ATLANTA, GEORGIA 30319, U.S.A.

Inventor : KEITH P. THOMPSON.

Application for Patent No. 123/Del/89 filed on 8th Feb., 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 4)

An apparatus for placing a prepared synthetic lenticule over the cornea of a human eye for correcting a patient's refractive error, the cornea having a peripheral groove etched therein with an adhesive means disposed therein for receiving the peripheral edge of said lenticule, said apparatus comprising :

a chamber open at its lower end;

means provided at the edge of said lower end of the chamber for securing said chamber to the limbal region of the eye to prevent substantial movement of the eye with relation to said chamber;

a micromanipulation system provided within said chamber for manipulating said lenticule, said micromanipulation system comprising a horizontal carriage means and an interconnected vertical carriage means, mounted on gimbal means whereby said system is capable of movement along any axis on said gimbal means as well as along translations of said axes;

suction ring means secured to said gimbal means for holding said lenticule prior application thereof to the patient's cornea;

a motor powered by a power source connected to said micromanipulation system for selectively driving said system; and

remote control means for activating said motor in order to drive said micromanipulation system to correctly dispose said lenticule over the patient's cornea, said remote control means being operated by the surgeon performing the lenticule placement.

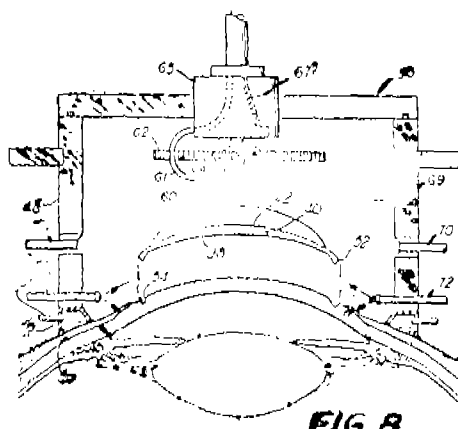


FIG 8

(Compl. Specn. 25 pages

Drgns. 4 sheets.)

Ind. Cl. : 32A<sub>2</sub>

174384

Int. Cl.<sup>4</sup> : C09B 47/00, 47/28.

"A RAPIDLY DISSOLVABLE PHOTOACTIVATOR DYE COMPOSITION AND A METHOD FOR THE PREPARATION THEREOF."

Applicant : THE PROCTER & GAMBLE COMPANY, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA ( AND DANOCHEMO A/S, OF MALMPARKEN 5, 2750 BALLE-RUP, DENMARK.

Inventor : BRITTEN THORENGAARD, DAVID WILLIAM YORK.

Application for Patent No. 238/Del/89 filed on 13th March, 1989.

Conventional Data : Date 14-03-1988 No. 88-06016 Country UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 12)

"An improved rapidly dissolvable photoactivator dye composition in the form of microcapsules capable of rapidly dissolving in cold water without dye staining of fabrics being laundered, said composition comprising, by weight :

(a) from 1% to 60% of a solid water-soluble photoactivator dye such as herein described,

(b) from 38% to 97% of a quickly water-soluble encapsulating material such as herein described and

(c) from 2% to 12% water

wherein said photoactivative dye located as a solid dispersion within the interstition space of a lattice of said encapsulating material."

(Compl. Specn. 16 pages;

Drgn. Sheets Nil.)

Ind. Cl. : 208

174385

Int. Cl.<sup>4</sup> : B 43 K 5/18.

## "AN IMPROVED FOUNTAIN PEN".

Applicant : AMBITIOUS GOLD NIB MANUFACTURING COMPANY PRIVATE LIMITED, C-101, PHASE-II, MAYAPURI INDUSTRIAL AREA, NEW DELHI-110 064. (A INDIAN NATIONAL).

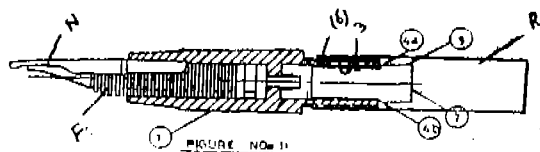
Inventor : SUNIL CHARLS.

Application for Patent No. 239/Del/89 filed on 14th March, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 5)

Improved fountain pen comprising ink feeder assembly having an upstanding well fitted to an ink reservoir wherein means for free flow of ink are provided partly inside the upstanding wall of the constricted portion of the said ink feeder assembly and partly extending into the ink reservoir.



(Compl. Specn. 6 pages)

Drgn. 1 sheet).

Ind. Cl. : 24C

174386

Int. Cl.<sup>4</sup> : B 61 H 7/00, 9/00.

## "A BRAKE UNIT".

Applicant : SAB WABCO HOLDINGS BV, OF MARCONISTRAAT 18, P.O. BOX 120, NL-1700 AC HEERBOWAARD, THE NETHERLANDS.

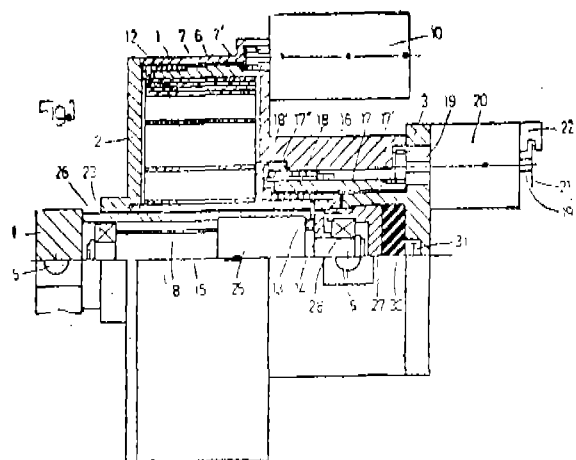
Inventor : LARS MATTIS SEVERINSSON.

Application for Patent No. 240/Del/89 filed on 14th March, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 9)

A brake unit for a rail vehicle comprising an energy storing device such as a coil spring, motor means connected to said energy storing device for supplying energy to tension the energy storing device independently of the force transmission therefrom, and a drive sleeve connected to said energy storing device for transmitting a rotational movement from said energy storing device to transforming means for changing and rotational movement into an axial movement of a force transmitting member connected to said transforming means characterised by clutch and control means being provided between said drive sleeve and said movement transforming means for accomplishing a controlled force transmission from the energy storing device to the force transmitting member.



(Compl. Specus. : 14 pages;

Drgs. Sheets : 2).

Ind. Cl. : 32F (2-6)

174387

Int. Cl.<sup>4</sup> : C 07 D 285/34.

## "A PROCESS FOR THE PREPARATION OF 1,3,5-THIADIAZINE-4-ONE"

Applicant : KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, (NATIONALITY : KOREAN LEGAL ENTITY), OF 100 JANG-DONG YOUSEONG-KU, DAEJEON, REPUBLIC OF KOREA.

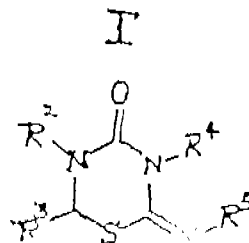
Inventor(s) : (1) DAE-WHANG KIM (2) SUNG-YEAP HONG (3) JAE-WOOK RYU (4) JAE-CHUN WOO

Application for Patent No. 719/Del/89 filed on 14th August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 4)

1. A process for the preparation of 1,3,5-thiadiazine-4-one having formula I of the accompanying drawings, which comprises cyclizing the compound of S-(N-alkoxy-carbonyl, N-s substituted) aminomethyl isothiourea derivative of the formula II of the drawings at a temperature from 20°C to 120°C in the absence or presence of a solvent as herein described and in the presence of an inorganic base selected from the group consisting of LiOH, NaOH, KOH, NaHCO<sub>3</sub>, KHCO<sub>3</sub>, Na<sub>2</sub>CO<sub>3</sub>, K<sub>2</sub>CO<sub>3</sub>, NaH, CaH<sub>2</sub>, Ca(OH)<sub>2</sub>, Mg(OH)<sub>2</sub>, MgO, CaO and Ba(OH)<sub>2</sub>, or an organic base selected from the group consisting of NH<sub>3</sub>, NH<sub>4</sub>OH, triethylamine and pyridine;



in the above formulae,

R<sup>1</sup> represents phenyl which may be substituted with X<sup>1</sup>, X<sup>2</sup>, or X<sup>3</sup> (wherein X<sup>1</sup>, X<sup>2</sup> and X<sup>3</sup>, which may be the

same or different, represents H, Cl, F, Br, NO<sub>2</sub>, CN, CO<sub>2</sub>ME, COCH<sub>3</sub>, CH<sub>3</sub>, SO<sub>2</sub>CH<sub>3</sub>, or SO<sub>2</sub>CF<sub>3</sub>, naphthyl or pyridyl;

R<sup>2</sup> represents phenyl group which may be substituted with V<sup>1</sup>, V<sup>2</sup> or V<sup>3</sup> which may be the same or different represents H, Cl, F, Br, NO<sub>2</sub>, CN, CO<sub>2</sub>ME, COCH<sub>3</sub>, CH<sub>3</sub>, SO<sub>2</sub>CH<sub>3</sub>, or SO<sub>2</sub>CF<sub>3</sub>, C<sub>2-6</sub> alkyl, C<sub>2-6</sub> alkene and C<sub>2-6</sub> alkyne; R<sup>3</sup> represent H, or C<sub>2-6</sub> alkyl, C<sub>2-6</sub> alkenyl or benzyl; R<sup>4</sup> and R<sup>5</sup> represents C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkene, C<sub>1-6</sub> alkyne, aralkyl or C<sub>1-6</sub> haloalkyl, C<sub>1-6</sub> haloalkene or C<sub>1-6</sub> haloalkyne; and R<sup>6</sup> represents hydrogen atom.

(Compl. Specns. : 10 pages;

Drgns. sheet : 1).

Ind. Cl. : 23E

174388

Int. Cl.<sup>4</sup> : B 65 D 5/20.

#### "A COLLAPSIBLE BOX CONTAINER".

Applicant : GEOFFREY RAYMOND RICHTER, OF 17 BINNEA STREET, COOLUM BEACH, QUEENSLAND 4573, AUSTRALIA, AND FRANK MICHAEL FISK, OF 35 PLEASANT DRIVE, ALBANY CREEK, QUEENSLAND 4035, AUSTRALIA, BOTH AUSTRALIAN CITIZENS.

Inventor(s) : (1) GEOFFREY RAYMOND RICHTER  
(2) FRANK MICHAEL FISK.

Application for Patent No. 745/Del/89 filed on 22nd August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### (Claims 18)

1. A collapsible box container having a base, two end walls, a top wall and two side walls; said base comprising a rigid reinforced rectangular structure with two opposing skirting walls and internal plinths at each corner terminating below the upper edges of the skirting walls, the said base including fork-lift tyre pockets extending through the opposing skirting walls; said end walls each comprising a rigid reinforced structure including integral side posts which form the load transmitting features of the erected container and which are supported by said plinths and locked thereto by keving elements located within the plinths, said side posts also including an inner facing pivoting arrangement to permit pivoting of the end walls inwardly of the container; said top wall comprising a rectangular reinforced structure including fork-lift tyre pockets and a fixing block at each corner; said walls each comprising rigid reinforced rectangular structures longitudinally hingedly connected to one another and also hingedly connected to the inner edge of an adjacent skirting wall and a reinforced longitudinal edge of the top wall; whereby the container is collapsible by fractionally raising the top wall, unlocking the side posts from the plinths pivoting each end wall inwardly of the container so that it assumes a horizontal position between the skirting walls, lowering the top wall while simultaneously collapsing the side walls inwardly of the container so that each side wall folds into two face-to-face sections lying within the skirting wall and so that the adjacent perimeter of the top wall is substantially coplanar with the outer sides of the skirting walls.

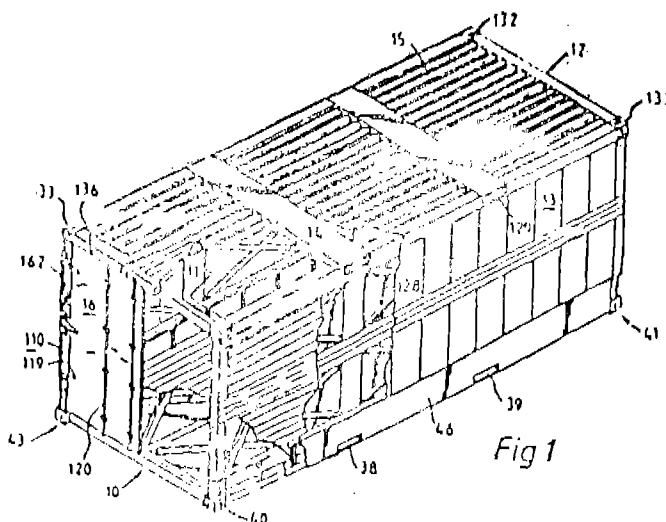


Fig 1

(Compl. Specn. 36 pages

Drgns. 16 sheets.)

Ind. Cl. : 98 G

174389

Int. Cl.<sup>4</sup> : F 28 D 7/00

#### "AN APPARATUS FOR COOLING FLUIDIZED PARTICLES"

Applicant : UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA,

Inventor(s) : (1) ISMAIL BIRKAN CETINKAYA.

Application for Patent No. 760/Del/89 filed on 28th August, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110-005.

#### (Claims 5)

An apparatus for cooling fluidized particles comprising :

a vertically oriented heat exchanger for contacting fluidized particles with the outer surface of a tube containing a cooling fluid;

a plurality of heat exchange tubes having a substantial surface area located in said heat exchanger;

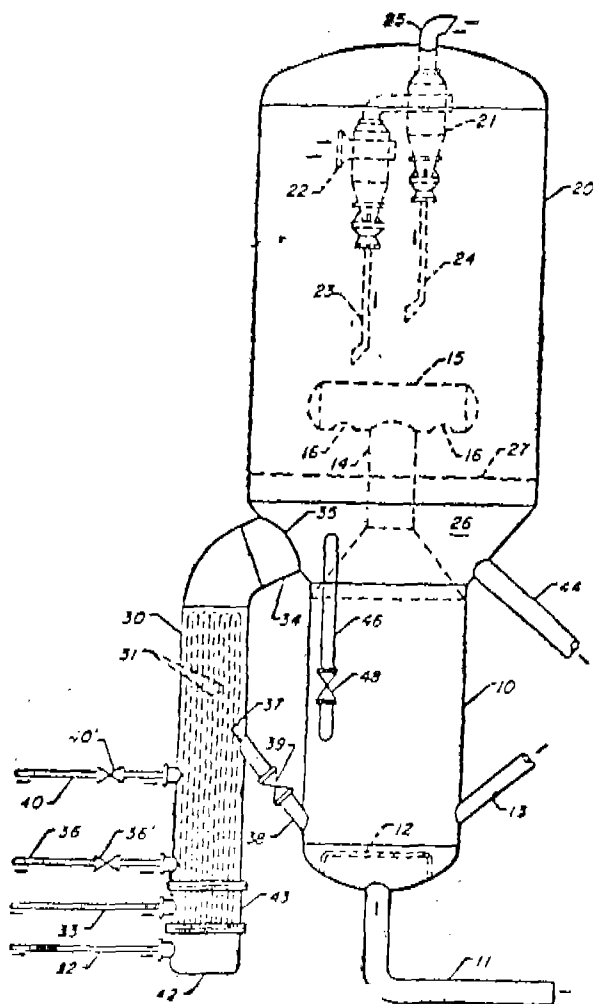
a particle inlet and particle outlet for admitting hot particles and withdrawing cool particles from said exchanger; and

means for admitting fluidizing gas to the bottom of said heat exchanger, said heat exchanger has an upper heat removal section and a lower heat removal section and the particle



inlet and particle outlet are located at opposite ends of the upper section.

Fig. 1



(Compl. Specn. 20 pages;

Drwg. 2 sheets)

Ind. Cl. : 194 G-1

174390

Int. Cl. : H 01 J 31/00

**"A DEVICE FOR SPREADING A LAYER OF SOLUTION ON A SURFACE OF THE PANEL FOR COLOR CATHODE RAY TUBES"**

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD., A KOREAN CORPORATION, 575 SHIN-RI, TAEAN-EUB, HWASEONGGUN, KYUGGI-DO, KOREA,

Inventor(s) : (1) KWANG-SUN LEE.

Application for Patent No. 978/Del/89 filed on 24th October, 1989.

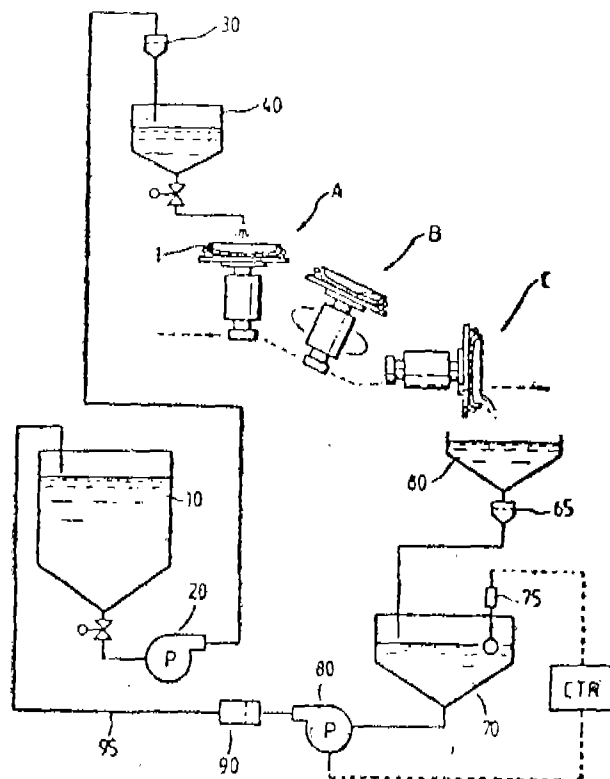
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110-005.

(Claims 2)

1. A device for spreading a layer of solution on a surface of the panel for color cathode ray tubes comprising an injecting means for injecting on the inner face of the panel a layer of solution supplied through a head tank from a main tank; spreading means located subsequent to said injecting means for uniformly spreading the injected filming solution on the inner face of the panel; a discarding means located after said spreading means for removing any excess solution remaining after said spreading characterised in that the device being provided with a recovering means connected to

said discarding means for recovering the excess solution spilled out at said discarding means; a storing means connected to said recovering means for temporarily storing the recovered excess solution and pumping means for transferring the excess solution from said storing means to said main tank.

FIG. 3



(Compl. Specn. 12 pages;

Drngs. 2 sheets.)

Ind. Cl. : 127 I Gr. [IXV]

174391

Int. Cl. F 16 C-1/00

**IMPROVED KEYLESS SHAFT HUB LOCKING DEVICE & APPLICANT.**

Inventor : JUZAR TAHER HAIDERI, OF NATIONAL ENGINEERING COMPANY (NENCO), J-225, M.I.D.C., BHOSARI, PUNE-411 026, MAHARASHTRA, STATE, INDIA, A SUBJECT OF THE REPUBLIC OF INDIA.

Application No. 310/Bom/91 filed on 21-10-91.

Appropriate office for opposition proceedings (Rule 4, Patents 1972) Patent office, Branch Bombay-13

2 Claims

Improved keyless shaft hub locking device, comprising of one or two taper split cone inner rings with drill holes and tap holes on its face, and one split outer ring having longitudinal slit across its length and having inwards taper bore on end or two opposing inward tapers on both the ends exactly corresponding to the external taper of the taper split cone

inner rings, with a step in the centre or one side of its inside diameter with drill holes and tap holes for fastening the inner rings by the means of high tensile locking screws.

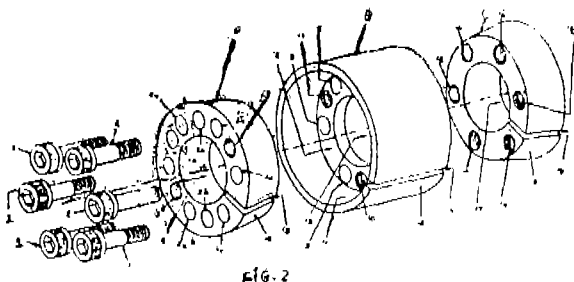


Fig. 2

Comp. spn. 22 pages.

Drawing. 8 sheets

Ind. Cl : 189 [LXVI (9)]

174392

Int. Cl. : A 61 K-7/06

**A COMPOSITION SUITABLE FOR TOPICAL APPLICATION TO MAMMALIAN SKIN OR HAIR GROWTH.**

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 163/166 BACKBAY RECLAMATION, BOMBAY 400 020, MAHARASHTRA, INDIA.

Inventor : 1. GEORGE TERENCE EVELYN KEALEY  
2. MICHEL PAUL PHILPOTT 3. REBACCA WILLIAMS.

Application No. 366 BOM 91 filed On : 09-12-91.  
U.K. Convention date : 07-12-90.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## Claims 11

**A composition suitable for topical application to mammalian skin or hair for inducing, maintaining or increasing hair growth which comprises :**

- (i) an effective amount of from 0.001 to 98.9% by weight a hair growth promoter selected from glutamine; 3 hydroxybutyric acid; acetoacetic acid; cosmetically acceptable salts thereof and mixtures thereof;
- (ii) from 0-1 to 50% by weight of an activity enhancer;
- (iii) from 1 to 99.899% by weight of a cosmetically acceptable vehicle;

provided that if the only one of said hair growth promoters present in the composition is glutamine or its cosmetically acceptable salt and glutamine is not the sole amino acid present in the composition then it is present in an amount by weight which exceeds the total amount of any other amino acids present.

Comp. spn: 67 pages.

Drg. Nil

Int. Cl. : 55 E2 + E4, [XIX(1)]

174393

Int. Cl. C 12 P 7/66.

**A PROCESS FOR THE PRODUCTION OF NEW ANTIBACTERIAL ANTIBIOTICS 31668 P AND U AND PHARMACEUTICALLY USEFUL.**

**SALTS THEREOF FROM A MICROBIAL STRAIN VIZ. STREPTOMYCES SPECIES Y-90, 31668 (CULTURE NUMBER HOECHST INDIA LIMITED Y-90 31668) ITS MUTANTS OR VARIANTS.**

Applicants : HOECHST INDIA LTD., HOECHST HOUSE, NARIMAN POINT, BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

- Inventors : 1. DR. BIMAL HARESH GANGULI,  
2. RAMAIYER RAMCHANDRAN CHANDRAN,  
3. DR. JOACHIM BETZ,  
4. DR. HANS-WOLFRAM FEHLHABER.  
5. DR. HERBERT KOGLER  
6. DR. MATTHIAS HELSBERG,  
7. DR. MICHAEL LIMBERT  
8. DR. LASZLO VERTESY &  
9. DR. BEIJETER SUKATSCH.

Application No. 46/Bom/1992, Filed FEB 7, 1992.

Comp. after Prov. left on—APR 12, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## Claims 4

**A process for the production of new antibiotics 31668P and 31668U and pharmaceutically useful salts thereof from a microbial strain viz Streptomyces species Y-90 31668 (culture number Hoechst India Limited Y-90, 316683, its mutants or variants, said process consisting of cultivating the said microbial strain, its mutants or variants in a nutrient medium herein described by fermentation under aerobic conditions at 28—32°C and pH 6 to 8 and isolating and purifying the antibiotics 31668P and 31668U from the culture broth in a known manner and if desired converting the antibiotics 31668P and 31668U into their pharmaceutically useful salts in a known manner.**

Comp. spen., 15 pages

Drg. Nil

Prov. Specn. 12 pages:

Drg. Nil

Ind. Cl. : 198 B Gr. (XXXIV (5)).

174394

Int. Cl. : B 03 D-1/14, 1/16.

**"A FLOTATION MACHINE".**

Applicant : OUTOKUMPU MINTEC OY, A FINNISH JOINT-STOCK COMPANY, OF RIIHITONTUNTIE 7, ESPOO, FINLAND.

Inventors : 1. TIMO UNTAMO, NIITHI, 2. JOUKO OLAVI KALLIOINEN.

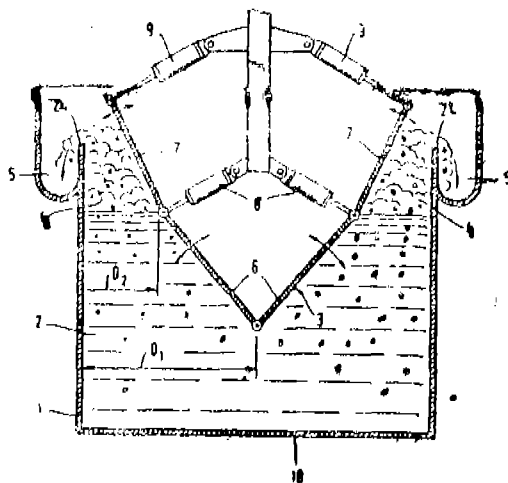
Application No. 83/BOM/92. filed on 13-03-92.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## Claims 09

1. A flotation machine for floating mineral particles or the like from slurries containing these particles, the said flotation machine comprising a flotation cell and a mixing mechanism provided in the flotation cell, means for supplying air into the cell and members for feeding the material to be floated into the cell and for removing it therefrom, characterised in that in the slurry chamber (2.18), of the flotation machine essentially below the foam bed (4.21) formed in the flotation machine, there is arranged at least one internally adjustable guide member (3, 19, 32) located underneath the foam bed (4.21) installed adjustably, so that the free area in the flotation machine is reduced when proceeding upwards, essen-

tially at least in the slurry chamber (2, 18), reduction of the areas being achieved by means of adjusting the guide member (3, 19, 32) provided in the slurry chamber.



**Fig. 1**

Comp. Spenc. 17 pages.

Drgs. 3 sheets

Ind. Cl. : 140 A2 Gr. [X1 (2)]

174395

Int. Cl. : C 10 M-101/00, 157/08 & 169/04.

#### A LUBRICANT COMPOSITION.

Applicants : INDIAN OIL CORPORATION LIMITED,  
OF 254-C, DR. ANNIE BESANT ROAD, BOMBAY-400-  
025, MAHARASHTRA, INDIA.

AN INDIAN COMPANY.

Inventors : 1. ELTEPU SAYANNA.  
2. KANTA PRASAD NAITHANI,  
3. VIJAY PRABHAKAR DESHMUKH.  
4. SOMPRAKASH SRIVASTAVA.  
5. AKHILESH KUMAR BHATNAGAR.

Application No. 120 BOM 92 filed on 13-04-92.  
[Anti Dated to 08-08-1989]

DIVISIONAL TO 221 BOM 89 OF DATED 08-08-89.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Bombay-13.

#### Claims 09

An improved lubricant composition comprising 2 to 30% by weight of an organic polymer as herein described, 10 to 30% by weight of a mineral wax, 1 to 10% by weight of a rust inhibitor as herein described, 0.05 to 10% by weight each of an antiwear additive as herein described and friction modifier as herein described and the remainder being mineral lubricating oil.

Comp. Spen. 10 pages.

Drgs. Nil

Ind. Cl. 129 [XXXXV]  
E+M+O

174396

Int. Cl. : B 21, 9/14

#### DUPLIX POWER PRESS.

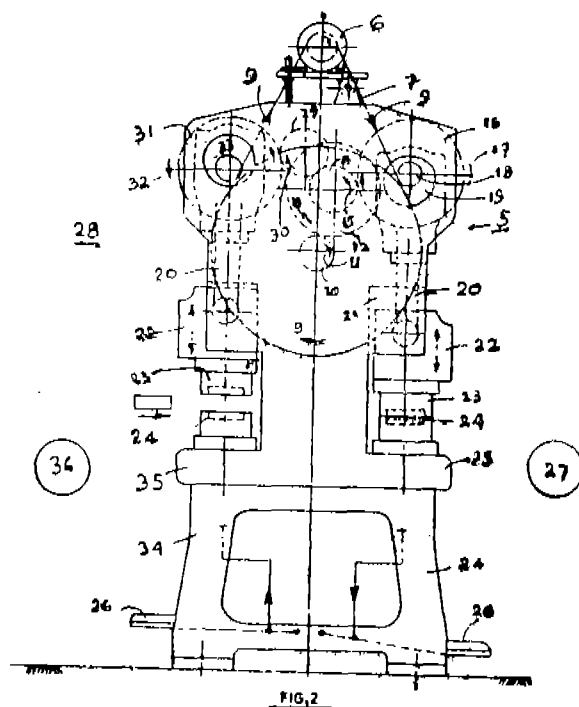
Applicant & Inventor : PRABHAKAR GANESH GOGATE & MAHENDRA PRABHAKAR GOGATE, OF  
"RAM MARUTI" ROAD, THANE-400 602, MAHARASH-  
TRA, INDIA.

Application No. 133/BOM/1992 Filed Apr 27, 1992.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Bombay-13.

#### Claim 1

1. Combination power press with opposed strokes with a common flywheel and a single prime mover, therefore, consisting of a strong body supported on a strong base, there is provided a flywheel driven by a prime mover, a driving pinion gear, which drives an idle gear on the shaft of which there is provided another central shaft gear which engages with another gear over the shaft of which there is provided an eccentric arrangement for a ram to travel in reciprocating manner the job being placed on the recess provided on the body; characterised in that there is provided another idle pinion gear which is rotated by the said central shaft gear, the said idle pinion being provided to change the direction of another gear on which there is located second eccentric arrangement at 180° opposed with relation to the first eccentric the second eccentric carries bell link screw lower end of which carries a guide, a slide and a ramall this assembly being on the oppos to side of the slightly extended body supported by slightly extended stand of the said press.



**FIG. 2**

Comp. Spec. 5 pages.

Drgs. 2 sheets

Ind. Cl. : 195/A+B+D GR. [XXIX(3)]

174397

Int. Cl. : F 16 K-15/04.

#### A VALVE FOR PREVENTING BACKWARD FLOW OF LIQUID IN PIPELINES.

Applicants & Inventors : VASANT PANDURANG KOPARDE, INDIAN NATIONAL AT 912, DECCAN GYM KHANA, PUNE-411,004, MAHARASHTRA STATE, INDIA AND NARAYAN NARSINHA DESAI, INDIAN NATIONAL AT A-13/H MIDC INDUSTRIAL AREA, PIMPRI, PUNE-411 018, MAHARASHTRA STATE, INDIA.

Application No. 153/Bom/92 filed on 13-05-92.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Branch, Bombay-13.

## 6 Claims

A valve for preventing backward flow of liquid in pipelines, comprising;

a hollow main valve body defining a passage therein having an inlet, a semi-spherical depression adjacent to the inlet at the base of the body and an outlet, which may be coupled between a pipeline; an outwardly directed hollow cylindrical extension; extending operatively upwards of the said main valve body and open at the top free end, the inner diameter of which is greater than the inner diameter of the said inlet and outlet; guides in the form of ribs parallelly projecting along the inner sides of the said valve body and sloping down towards the inlet; the top ends of the said guides coinciding with the outlet end of the said extension and the bottom ends of the said guides leading to the said semi-spherical depression; a spherical ball lodged within the said main valve body between the inlet and the guides, the diameter of which is greater than the inner diameter of the said inlet and the outlet, the length of said extension being sufficient for lodging the said ball within it and lid, removably fitted to the said outwardly directed cylindrical extension.

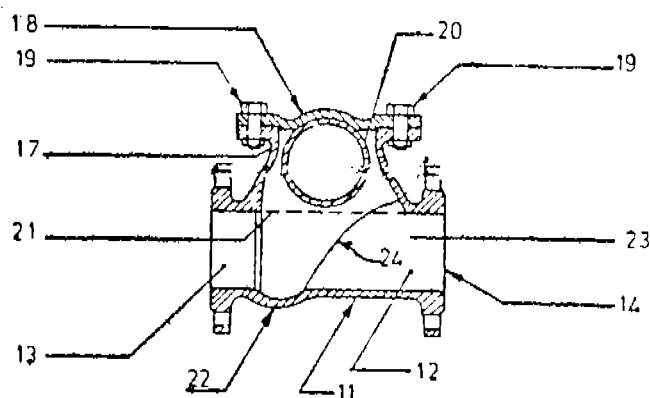


FIG-2.

Comp. specn. 11 pages.

Drng. 2 sheets.

Ind. Cl. : 97 E (LIX)

174398

Int. Cl. : H 05 B 61/12.

## "ELECTRONIC INDUCTION STOVE".

Applicants : MR. PANDURANG BALKRISHNA SHITOLE, AN INDIAN CITIZEN

Inventor : "VENUNAD" 24 GUMUD NAGAR POONA-411 037, MAHARASHTRA, INDIA.

Application No. : 257/Bom/1992 filed on Aug. 14, 1992.

Comp. after Prov. left : Aug 25, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## Claims 08

Electronic induction cooker comprising a casing carrying a ceramic top plate having exhaust port there around forming top cover therefor, said ceramic top plate having a temperature feed back sensor and forming an open switch-cum-output-cum-support for resting thereon a cooking vessel for closing said open electronic circuit to switch "ON" said cooker, said-casing respectively carrying a power source block with a fuse for connection to single phase 230 AC power supply source, a rectifier block to rectify AC to DC, a filter block for smoothing DC power, an induction coil for generating eddy current, one feed back block for power an another temperature feed block, a power driver block, amplifier

and comparator block, a control module with two setting switches and three indicators, one of 4 said switch being to set the cooker to "Warm" and "Cook" mode and the other for setting cooker temperature and first of said indicator for indicating "Warm" state, the second of said indicator for indicating "Cook" state, and the third of said indicator for indicating temperature setting of the cooker, a logic having multi-function gate, an electric motor for cooling and exhausting heat from the electronic cooker system and an excess temperature sensor-cum-audio alarm mode for sensing excess temperature of the cooker for instantaneously actuating said audio alarm and automatically switching "OFF" said cooker and all of which are connected in the manner indicating in Figs 1 and 4 of the accompanying drawings.

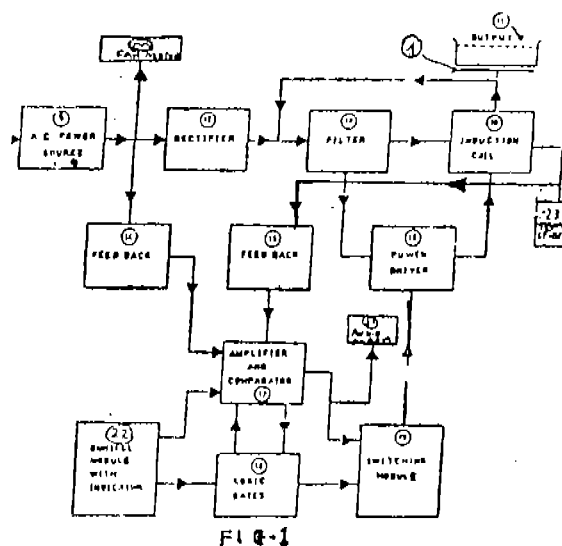


FIG-1

Compl. Specn. 11 pages

Drngs. 3 sheets.

Prov. specn. 10 pages

Drngs. 3 sheets.

Ind. Cl. : 55 F [(XIX) (1)]

174399

Int. Cl. : A 23 P, 1/04.

## A PROCESS FOR PREPARING A LYOPHILISED RUMEN LIQUOR CAPSULE FOR RUMINANT ANIMALS.

Applicants : SCITECH CENTRE OF PLOT NO. 7, PRABHAT INDUSTRIAL ESTATE, JOGESHWARI (WEST), BOMBAY 400 102. MAHARASHTRA STATE, INDIA. AN INDIAN COMPANY. INCORPORATED UNDER COMPANIES ACT, 1956.

INVENTOR : DR. LALIT KUMAR SHARMA.

Application No. : 250/Bom/1993, filed on : 13 Aug 93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

## Claim

A process for preparing lyophilised rumen liquor capsule for ruminant animals comprising of the following steps :—

- Selecting the rumen liquor of requisite biochemical and microbiological properties from the rumen liquor, collected from healthy ruminant animals in a known manner.
- Straining the said rumen liquor preferably through four folded cheese cloth.
- Centrifugation of the said strained rumen liquor at 1000 to 3000 rpm for 15 to 45 minutes for sedimentation.

(d) Separating and collecting the said sediment and lyophilising/freezing the same in a known lyophiliser, under vacuum at 45°C to -75°C temperature, for 20 to 40 hours.

(e) Filling the said lyophilised material into hard gelatin container capsule under strict anaerobiosis.

Complete specification 18 pages

Drg. 12 sheets.

Ind. Cl. : 55 E 4 [XIX(1)]

174400

Int. Cl. : A 61 K, 31/00.

**A PROCESS FOR PREPARING A FEED SUPPLEMENT CAPSULE FOR IMPROVING QUALITY AND QUANTITY OF MILK AND GENERAL CONDITION OF RUMINANT ANIMALS.**

Applicants : SCITECH CENTRE, PLOT NO. 7 PRABHAT INDUSTRIAL ESTATE, TO GESHWARI (WEST), BOMBAY-400 102, MAHARASHTRA, INDIA.

Inventor : DR. LALIT KUMAR SHARMA.

Appln. No. 267/Bom/1993, Filed Aug 25, 1993

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

#### 4 Claims

A feed supplement capsule for improving quality and quantity of milk and general condition of ruminant animals comprising of herbal ingredients *phyllanthus emblica* 10-20% by weight, *Terminalia belerica* 10-20% by weight, *Terminalia chebula* 10-20% by weight, *Caesalpinia bonduc* 05 - 15% by weight, *Embelia Ribes* 05-15% by weight, *Nigella sativa* 05-15% by weight, *Asparagus racemosus* 05-15% by weight, *Withania Somnifetra* 05-10% by weight, and *Vernonia anthelmintica* 05-10% by weight, filled inside a hard gelatin container/capsule, and *Saccharomyces cerevisiae* having 5-20 million cells being filled in another hard gelatin container/capsule and the said another hard gelatin container capsule containing *Saccharomyces cerevisiae* being provided-2-inside the said hard gelatin container/capsule filled with herbal ingredients.

Comp. specn., 15 pages;

Drgs. NIL.

Ind. Class : 34 A.

174401

Int. Class. : B 29 C 59/00

**"AN ORIENTABLE THERMOPLASTIC POLYMERIC TUBULAR FILM FOR MAKING A TUBULAR BAG AND A METHOD OF MANUFACTURING THE SAME".**

Applicant & Inventor : OLE -BENDT RASMUSSEN, A DANISH CITIZEN OF FORCHWALDSTRASSE, 23 CH 6318 WALCHWIL SWITZERLAND.

Application No. 281/Mas/89 filed on 13th April 89.

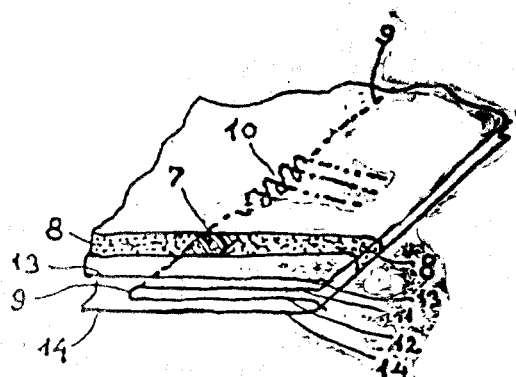
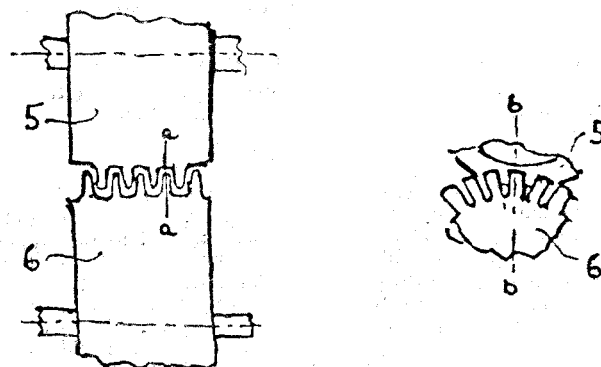
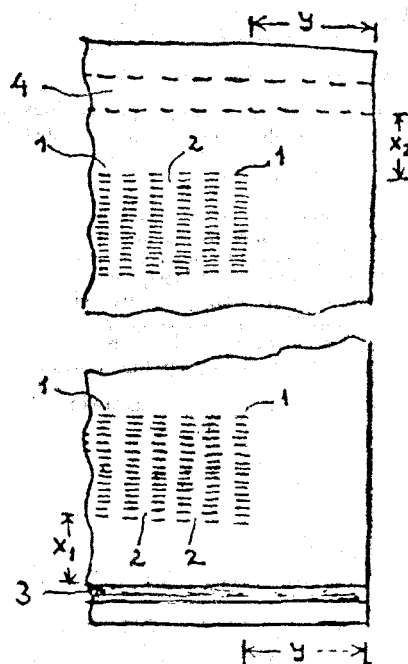
Conventional No. 8809077.4. dated 18-4-1988. (Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), the Patent Office Branch, Madras-600 002.

#### 14 Claims

An orientable thermoplastic polymeric tubular film for making a tubular bag with at least one closed end by a seam at a predetermined generally transverse locus along the length of the tube, said seam resulting in a rupture zone adjacent thereto which is susceptible to rupture when subject to impact stress, said tubular film comprising a shock absorbing band of limited depth perpendicular and adjacent to the locus of the said rupture zone but separated from the said locus by a region of unstretched film extending along the width over a significant portion along the transverse direction of

the tube, said shock absorbing band comprising plurality of narrow stripes of unstretched film material with the stripes extending along the length in the same generally perpendicular direction to the seam, whereby impact stress force applied to the tube adjacent the said rupture zone is transmitted away from said rupture zone and absorbed by said shock absorber band providing significant improvement in the resistance of the tubular film to impact stress applied to said rupture zone.



(Compl. Specn. 51 pages

Drgs 2 Sheets)

Ind. Class - 94 H

174402

Int. Cl.<sup>4</sup>: B 02 C 4/30**"A METHOD OF RECONDITIONING DEFORMED CRUSHING ROLLER".**

Applicant: KURIMOTO LIMITED OF 12-19 KITA-HORIE 1-CHOME NISHI-KU OSAKA, JAPAN A JAPANESE COMPANY.

Inventors: (1) TOSHIYUKI ASHIDA (2) TOMOO MIZUNO (3) HISAO YOSHIDA.

Application No. 624/Mas/89 filed on 21 August, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

A method of reconditioning deformed crushing roller comprising the steps of forming a concave portion on the deformed surface of the roller, the said concave portion having a reduced diameter along the outer peripheral surface of the roller, thereby forming step like portions on ends opposed to each other and thereafter superposing a padding material on the concave surface of the roller body by automatic welding under the support of the said step like portions.

(Com - 17 pages;

Drawings - 4 sheets)

Ind. Cl.: 1-72<sub>2</sub>

174403

Int. Cl.<sup>4</sup>: D 01 G 19/16**"A COMBING MACHINE WITH A NIPPER ARRANGEMENT".**

Applicant: MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR SWITZERLAND.

Inventors: (1) ANDREAS JOERG (2) DR. GIAN-C. MONDINI.

Application No. 645/Mas/89 filed on 29 August, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 11 Claims

Combing machine with a nipper arrangement (6, 7, 11, 12, 14, 15) having a nipper plate (6, 7) and a nipper knife (11, 12) swivellable about an axle (13) with respect to the nipper plate and being movable between a retracted closed position and an advanced opened position and further having a additional nipper (14, 15) which is swivellable in the opposite direction with respect to the nipper knife (11, 12) so as to nip a tuft between the nipper plate (6, 7) and the additional nipper (14, 15) in the advanced position of the nipper arrangement, wherein the additional nipper (14, 15) is swivellable about an axle (10) with respect to the nipper plate (6, 7) extending at a distance from and parallel to the swivelling axis (13) of the nipper knife (11, 12) and is coupled with the nipper knife (11, 12) in such a way that it is swivelled by the oscillating movements of the nipper knife with respect to the nipper plate (6, 7) in the respective opposite direction with respect to the nipper plate.

(Com. - 14<sup>1</sup> pages;

Drwg; - 2 sheets)

Ind. Cl.: 196 C

174404

Int. Cl.: B 66 B 11/02.

**"DEVICE FOR THE VENTILATION OF FAST - MOVING LIFT CAGES"**

Applicant: INVENTIO AG, OF SEESTRASSE 55, CH, - 6052 HERGISWIL, SWITZERLAND A SWISS COMPANY.

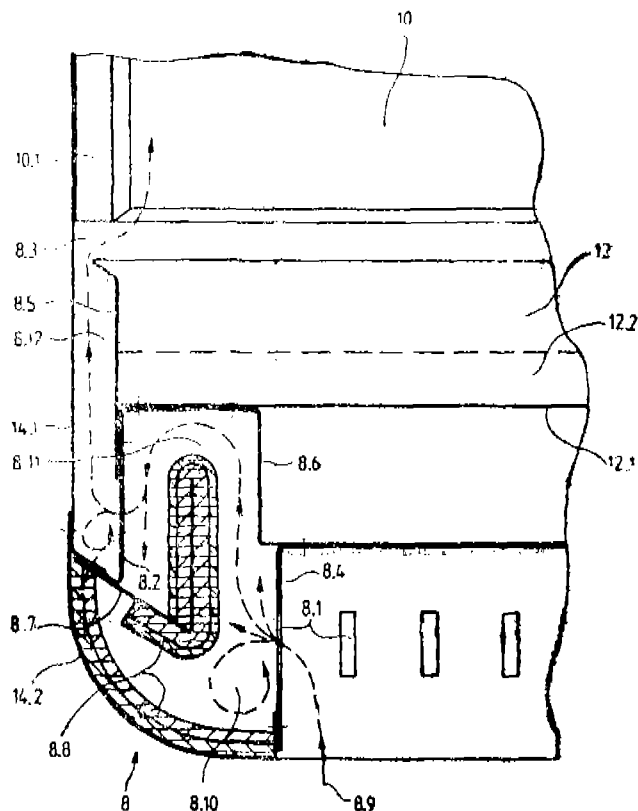
Inventors: FRANZ KAPPELER.

Application for Patent No. 623/Mas/90 filed on 31 July 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras-600 002.

## 9 Claims

Device for the ventilation of fast - moving lift cages, in which the ventilation during the travel with closed doors takes place through the openings of prescribed cross - sectional area present in the upper and lower parts of the cage body and wherein a vertical air current arises in the cage and is produced by slip stream and pressure build-up at air displacing cage characterised thereby, that the lift cage (1) possesses a respective ventilation system (8, 9) which decelerates and relieves and entering air current (8.9, 9.9) and in which primary air opening (8.1, 9.1) secondary air openings (8.2, 9.2) metal wind guide plates (8.7, 9.7) air chambers (8.10, 9.10) and air inlets (8.3, 9.3) are present, in the upper and lower parts at at least one side of the cage.



(Compl. Specn 11 pages,

Drgs. 3 Sheets)

Ind. Class - 32-F<sub>2</sub>(b)

174405

Int. Cl.<sup>4</sup>: C 07 D 471/00**A PROCESS TO PREPARE 4(5)-AMINO-1, 8-NAPHTHYRIDINES**

Applicant: THE BOOTS COMPANY PLC, A BRITISH COMPANY, OF 1 THANE ROAD WEST, NOTTINGHAM, NG2 3AA, NOTTS, ENGLAND, UNITED KINGDOM.

Inventors: (1) BERNARD JOHN ARMITAGE  
(2) JOHN GARETH BOWEN  
(3) MALCOLM JOHN CROSSLEY  
(4) IAN MICHAEL HUNNEYBALL  
(5) BRUCE WILLIAM LESLIE  
(6) THOMAS KERR MILLER  
(7) MICHAEL SPOWAGE

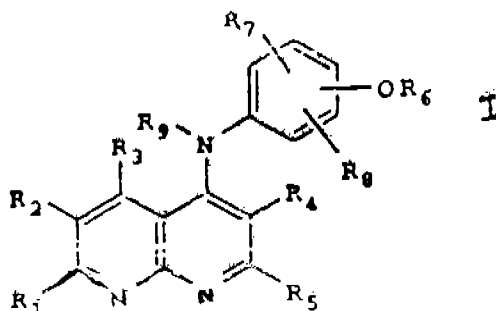
Application No. 758/Mas/92 filed December 17, 1992.

Convention dated 23-12-91, No. 912 7252 6 (U.K.)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A process to prepare 4(5)-amino-1, 8-naphthylidines of formula I



and pharmaceutically acceptable salts thereof in which

$R_1$  represents hydrogen, a  $C_{1-6}$  alkyl group, hydroxy, a carboxy  $C_{2-4}$  alkenyl group, a  $C_{2-6}$  alkoxy carbonyl  $C_{2-4}$  alkenyl group, a hydroxy  $C_{1-6}$  alkyl group, a carboxy  $C_{1-4}$  alkyl group, a  $C_{2-6}$  alkoxy carbonyl  $C_{1-4}$  alkyl group, a  $C_{1-6}$  alkoxy group, a halogenated  $C_{1-6}$  alkyl group, a carboxy group, a  $C_{2-6}$  alkoxy carbonyl group or a  $C_{1-6}$  alkanoylamino group;

$R_2$  represents hydrogen, halo, a  $C_{1-6}$  alkoxy group, hydroxy, a  $C_{1-6}$  alkanoyloxy group, or a phenoxy group (which may be optionally substituted by a  $C_{1-4}$  alkyl group, halo or a  $C_{1-4}$  alkoxy group);

$R_3$  represents hydrogen or a  $C_{1-4}$  alkyl group;

$R_4$  represents hydrogen, halo, a  $C_{2-7}$  alkoxy carbonyl group, a benzyloxy carbonyl group (which may be optionally substituted by a  $C_{1-4}$  alkyl group, halo or a  $C_{1-4}$  alkoxy group), a  $C_{1-6}$  alkanoyl group, a benzoyl group (which may be optionally substituted by a  $C_{1-4}$  alkyl group, halo or a  $C_{1-4}$  alkoxy group), carbamoyl, a  $C_{1-6}$  alkyl group, a carboxy group, a  $C_{1-6}$  hydroxyalkyl group or a  $C_{1-6}$  alkylthio group;

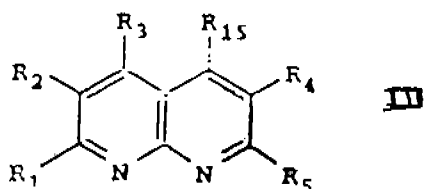
$R_5$  represents hydrogen or a  $C_{1-4}$  alkyl group;

$R_6$  represents hydrogen, a  $C_{1-6}$  alkyl group optionally substituted by one of the following; hydroxy or an amino group of formula  $-NR_{12}R_{13}$  (in which  $R_{12}$  and  $R_{13}$  independently represent hydrogen or a  $C_{1-4}$  alkyl group), a phenyl group or a benzyl group;

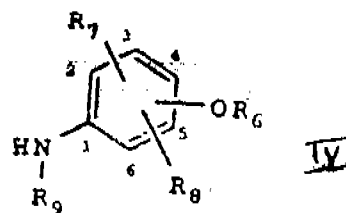
$R_7$  represents hydrogen, halo, trifluoromethyl, trifluoroethoxy, a  $C_{1-6}$  alkyl group, a carboxy group, or a  $C_{1-6}$  alkoxy group;

$R_8$  represents hydrogen, halo, trifluoromethyl, trifluoromethoxy, a  $C_{1-6}$  alkyl group or a  $C_{1-6}$  alkoxy group; and

$R_9$  represents hydrogen or a  $C_{1-4}$  alkyl group; comprising reacting a compound of formula III



in which  $R_{15}$  represents halo, mercapto or methylthio with a compound of formula IV



or a salt thereof by heating, optionally in the presence of an inert organic liquid which is preferably a solvent for the reactants, at a temperature in the range 0.150°C, at atmospheric pressure, optionally in the presence of an acid or a base.

(Com. - 68 pages)

Ind. Class : 83-B(3+1)

174406

Int. Cl<sup>4</sup> : A 23 L 3/00.

METHOD AND APPARATUS FOR CONTINUOUSLY STERILIZING VEGETABLE PRODUCTS CONTAINING VOLATILE OIL.

Applicant : McCORMICK & COMPANY, INC., 18, LOVETON CIRCLE, SPARKS, MARYLAND 21152-6000, U.S.A., A U. S. COMPANY.

Inventor : RON C. SHIEH.

Application No. 32/MAS/93 filed on January 20, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

(37 Claims)

A method of continuously sterilizing a vegetable product containing volatile oil comprising the steps of (a) introducing said vegetable product into a sterilizing vessel into which steam is introduced at a time and temperature sufficient to sterilize said vegetable product; (b) transporting said vegetable product through said sterilizing vessel in a continuous fashion, to obtain a mixture of a sterilized vegetable product and steam which contains volatile oil which has vaporized from said vegetable product; (c) discharging said mixture of said sterilized vegetable product and steam which contains volatile oil which has vaporized from said vegetable product into a cooling zone; (d) disposing said vegetable product in said cooling zone such that said steam is caused to condense on said sterilized vegetable product to thereby recover said volatile oil which has vaporized during the sterilizing process; and (e) recovering the sterilized vegetable product.

An apparatus for sterilizing a vegetable product containing volatile oil by a method claimed in any one of the preceding claims comprising (i) sterilizing vessel having an inlet and outlet means wherein each of said outlet means has a means for maintaining above atmospheric pressure within the vessel when product is either added to or removed from the vessel; (ii) means for transporting vegetable product through said sterilizing vessel in a continuous fashion; (iii) a cooling vessel in fluid communication with said outlet means wherein said cooling vessel contains means for providing intimate contact between the vegetable product and the steam which exits from the sterilizing vessel when product is withdrawn therefrom, said means being capable of causing said steam to condense on said vegetable product during the cooling.

(Compl. : 39 pages:

Drwgs. : 5 sheets).

Ind. Class : 32-F<sub>2</sub>(h)

174407

Int. Cl.4 : C 07 D 471/00

**PROCESSES FOR PREPARING NEW AZAINDOLE COMPOUNDS**

Applicant: LIPHA, LYONNAISE INDUSTRIELLE PHARMACEUTIQUE, 34, RUE SAINT-ROMAIN-69008, LYON, FRANCE, A FRENCH COMPANY.

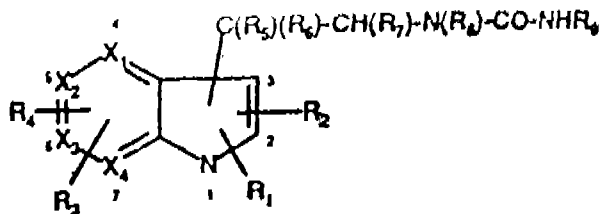
Inventors: (1) FESTAL DIDIER  
(2) DESCOURS DENIS

Application No. 68/MAS/93 filed February 1, 1993.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Madras Branch.

**3 Claims**

Process for preparing new azaindole compounds of formula 1



in which

one of the groups X<sub>1</sub> to X<sub>4</sub> is nitrogen and the others are CH;

R<sub>1</sub> and R<sub>2</sub>, which are located at position 1, 2 or 3 of azaindole, each are selected from hydrogen; linear or branched C<sub>1</sub> to C<sub>12</sub> alkyl; C<sub>2</sub> to C<sub>6</sub> alkenyl optionally substituted at the ω position with a group selected from carboxyl C<sub>1</sub> to C<sub>3</sub> alkyl carboxylate and phenyl; C<sub>3</sub> to C<sub>8</sub> cycloalkenyl; C<sub>3</sub> to C<sub>8</sub> cycloalkyl; -CH<sub>2</sub>NMe<sub>2</sub>; a radical selected from phenyl and benzyl, said radical being optionally substituted by one to three substituents selected from halogen, C<sub>1</sub> to C<sub>4</sub> alkyl, C<sub>1</sub> to C<sub>4</sub> alkoxy and C<sub>1</sub> to C<sub>4</sub> alkylthio; a radical selected from thienyl and pyridyl said radical being optionally substituted by a group selected from halogen, C<sub>1</sub> to C<sub>4</sub> alkyl and C<sub>1</sub> to C<sub>4</sub> alkoxy; it being understood that when R<sub>1</sub> or R<sub>2</sub> is at position 2 or 3 of azaindole it may further represent halogen or C<sub>1</sub> to C<sub>6</sub> alkylthio;

or one of R<sub>1</sub> and R<sub>2</sub> is hydrogen and the other is selected from hydroxymethyl, (C<sub>1</sub> to C<sub>4</sub> alkoxy) methyl, N, N-di(C<sub>1</sub> to C<sub>4</sub> alkyl) amino (C<sub>1</sub> to C<sub>4</sub> alkyl) oxymethyl, piperidino, carboxyl C<sub>1</sub> to C<sub>3</sub> alkyl carboxylate;

R<sub>3</sub> and R<sub>4</sub>, which are located on the vertices 4, 5, 6 or 7 of azaindole provided that these vertices embody carbon, each are selected from hydrogen, halogen, C<sub>1</sub> to C<sub>6</sub> alkyl, C<sub>1</sub> to C<sub>6</sub> alkoxy, C<sub>1</sub> to C<sub>6</sub> alkylthio and C<sub>3</sub> to C<sub>8</sub> cycloalkyl;

- C(R<sub>5</sub>)(R<sub>6</sub>) - CH(R<sub>7</sub>) - N(R<sub>8</sub>) - CO - NH-R<sub>9</sub> may be attached to the vertices 1, 2 or 3 of azaindole;

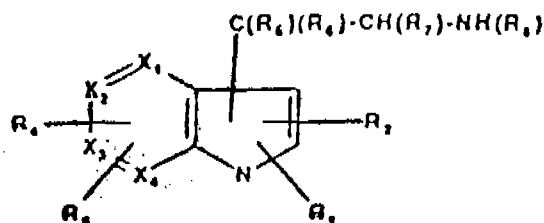
R<sub>5</sub> and R<sub>6</sub> are each selected from hydrogen, C<sub>1</sub> to C<sub>12</sub> alkyl, C<sub>2</sub> to C<sub>6</sub> alkenyl, C<sub>3</sub> to C<sub>8</sub> cycloalkyl, C<sub>3</sub> to C<sub>8</sub> cycloalkenyl, C<sub>2</sub> to C<sub>12</sub> alkoxyalkyl, C<sub>2</sub> to C<sub>12</sub> alkylthioalkyl, or R<sub>5</sub> and R<sub>6</sub> together form an alkylene chain of the formula -(CH<sub>2</sub>)<sub>p</sub>- optionally substituted with one or two C<sub>1</sub> to C<sub>4</sub> alkyl and in which p assumes the values 3 to 7, or an alkyleneoxyalkylene chain of the formula -(CH<sub>2</sub>)<sub>x</sub>-O-(CH<sub>2</sub>)<sub>y</sub>, in which X and Y independently assume the values 1 or 2;

R<sub>7</sub> is selected from hydrogen, C<sub>2</sub> to C<sub>6</sub> alkyl and C<sub>3</sub> to C<sub>8</sub> cycloalkyl; or

one of the substituents R<sub>5</sub> to R<sub>7</sub> is phenyl or benzyl, unsubstituted or having one to three substituents selected from halogen, C<sub>1</sub> to C<sub>4</sub> alkyl, alkoxy and alkylthio;

R<sub>8</sub> is selected from hydrogen, C<sub>1</sub> to C<sub>12</sub> alkyl, C<sub>3</sub> to C<sub>8</sub> cycloalkyl and benzyl which is unsubstituted or bears 1 to 3 substituents selected from halogen, C<sub>1</sub> to C<sub>4</sub> alkyl, alkoxy and alkylthio;

R<sub>9</sub> is phenyl, unsubstituted or bearing one to three substituents selected from halogen and C<sub>1</sub> to C<sub>4</sub> alkyl, C<sub>1</sub> to C<sub>4</sub> alkoxy and C<sub>1</sub> to C<sub>4</sub> alkylthio; or alternatively R<sub>9</sub> is 1- or 2-naphthyl or 5- or 6-membered heterocyclic containing one or two hetero atoms selected from sulphur, oxygen and nitrogen, optionally fused with benzene and, where appropriate, substituted with one or two substituents selected from halogen, C<sub>1</sub> to C<sub>4</sub> alkyl and C<sub>1</sub> to C<sub>4</sub> alkoxy, characterized in that it comprises the reaction of a compound of the following general formula 4



(wherein R<sub>1</sub> to R<sub>8</sub> and X<sub>1</sub> to X<sub>4</sub> are as defined above) with an isocyanate of the formula R<sub>9</sub>NCO, R<sub>9</sub> being as defined above.

(Com.—48 pages)

Ind. Class : 32-F<sub>1</sub>

174408

Int. Cl.4 : —C 07 D 213/00  
241/00**A PROCESS FOR PRODUCING AROMATIC, NITROGEN CONTAINING, HETEROCYCLIC CARBOXYLIC ACID CHLORIDES**

Applicant : LONZA LTD., OF GAMPEL/VALAIS, SWITZERLAND, A SWISS COMPANY.

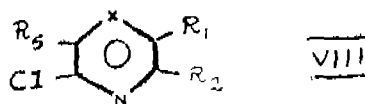
Inventor: JEAN-PAUL RODUIT

Application No. 187/MAS/93 filed March 16, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

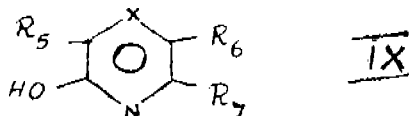
**9 Claims**

A process for producing an aromatic, nitrogen containing, heterocyclic carboxylic acid chloride of general formula VIII.





in which X is an N or C-R<sub>3</sub>, either of R<sub>1</sub> or R<sub>2</sub> is COCl and the other is R<sub>4</sub>, provided that when X is N, R<sub>1</sub> is COCl and R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> are the same or different and each is a hydrogen or halogen atom, comprising chlorinating an aromatic, nitrogen containing, heterocyclic hydroxycarboxylic acid of general formula IX.



in which X is N or C-R<sub>3</sub>, either of R<sub>6</sub> or R<sub>7</sub> is COOH and the other is R<sub>4</sub>, provided that when X is N, R<sub>6</sub> is COOH and R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> are the same or different and each is a hydrogen or halogen atom, with phosphorus pentachloride in phosphorus oxychloride, wherein any excess phosphorus pentachloride is subsequently converted into phosphorus oxychloride, either with a C<sub>1</sub>—C<sub>4</sub> carboxylic acid or with a silane of the general formula VII.



in which R<sub>9</sub> is a C<sub>1</sub>—C<sub>4</sub> alkyl group or a *ri*(C<sub>1</sub>—C<sub>4</sub>) alkylsilyl group, removing the phosphorus oxychloride to obtain the aromatic, nitrogen containing, heterocyclic carboxylic acid chloride of general formula VIII.

(Com.—13 pages)

Ind. Class : 32-C

174409

Int. Cl.<sup>4</sup> : C 07 K 3/12.

#### PROCESS FOR THE SEPARATION AND PURIFICATION OF PROTEINS.

Applicant : VITAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, A SOCIETY REGISTERED UNDER THE KARNATAKA SOCIETIES REGISTRATION ACT, 1960, HAVING ITS REGISTERED OFFICE AT NO. 1, VITAL MALLYA ROAD, BANGALORE-560 001, KARNATAKA, INDIA.

Inventors : (1) CANDADAI SESHADRI RAMADOSS  
(2) HITENDRA VASANT LAKHEY  
(3) PATNAM RAJAGOPALAIENGAR KRISHNASWAMY.

Application No. 490/MAS/93 filed on July 19, 1993.

Divisional to Patent Application No. 878/MAS/91; Antedated to November 27, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

(4 Claims)

A process for separation and purification of proteins having affinity for phospho-*sering*, which comprises loading a protein such as herein described onto a chromatographic column containing phosphitin-sepharose chromatographic agent previously equilibrated with an equilibrating agent of the kind such as herein described, eluting said column with a salt solution as herein described to obtain said protein bound phosphitin-sepharose and recovering said protein by any known method, said phosphitin-sepharose chromatographic agent consisting of a trypsinised phosphitin prepared by reacting phosphitin with trypsin in a phosphitin : trypsin ratio of 100 : 1 at a temperature of from 37°C to and pH of 7.5 and immobilised and coupled to sepharose matrix.

(Com. : 14 pages)

Ind. Class : 167C

174410

Int. Cl.<sup>4</sup> : B 01 j 20/00.

#### PROCESS FOR THE PREPARATION OF A NOVEL CHROMATOGRAPHIC AGENT.

Applicant : VITAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, A SOCIETY REGISTERED UNDER THE KARNATAKA SOCIETIES REGISTRATION ACT, 1960 HAVING ITS REGISTERED OFFICE AT NO. 1, VITAL MALLYA ROAD, BANGALORE-560 001, KARNATAKA, INDIA.

Inventors : (1) CANDADAI SESHADRI RAMADOSS  
(2) HITENDRA VASANT LAKHEY  
(3) PATNAM RAJAGOPALAIENGAR KRISHNASWAMY.

Application No. 491/MAS/93 filed July 19, 1993.

Divisional to Patent Application No. 878/MAS/91; Antedated to Nov 27, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for the preparation of a novel chromatographic agent consisting of phosphitin immobilized and coupled to a suitable matrix of the kind as herein described, (said process comprising mixing improved phosphitin with said matrix in a weight ratio of about 5 : 1, in the presence of a buffer of the kind as herein described so that the pH of the mixture is from 8.0 to 8.3, washing away the excess ligand of said phosphitin and blocking and remaining active groups of said phosphitin by treating the mixture with a primary amine as herein described to produce coupled phosphitin-matrix, washing said product in predetermined number of cycles of alternating pH and recovering in any manner said coupled phosphitin-matrix said phosphitin being a trypsinised phosphitin, obtained by reacting phosphitin with trypsin in a phosphitin : trypsin ratio of 100 : 1 at a temperature from 37°C to and pH of 7.5

(Com. — 14 pages)

#### PATENT SEALED ON

28-10-1994

168579 168698 168813 168867 173132 173133 173135  
173139\*D 173140\*D 173141 173157 173161 173162 173167  
173169 173173 173174 173175 173177 173178 173179 173182  
173183 173184 173185 173188 173191 173192 173196  
173201

Cal-11, Del-Nil, Bom-12 & Mas-7

\*Patent shall be deemed to be endorsed with the words  
LICENCE OF RIGHT Under Section 87 of the Patents  
Act, 1970, from the date of expiration of three years from  
the date of sealing.

D—Drug Patent.

#### CESSATION OF PATENTS

158734	158760	158765	158803	158819	158849	158852
158853	158899	158952	158955	158989	158992	158993
159009	159015	159034	159101	159103	159125	159133
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170219	170267	170482	170483	170548	170666	170790
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172190	172209	172222	172225	172226	172229	172235
172236	172237	172238	172264			

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 154629 dated the 7th July, 1981 made by C.S.I.R.O. and Howden Equipment etc. on the 8th February, 1994 and notified in the Gazette of India, Part III, Section 2 dated the 16th April, 1994 has been allowed and the said Patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 167164. The Jay Engineering Works Ltd., Indian Company, 23, Kasturba Gandhi Marg, New Delhi-110 001, India. "Cover for sewing machine". April 6, 1994.

Class 1. No. 167322. Castrol India Limited, Indian Company of White House, 91, Walkeshwar Road, Bombay-400 006, Maharashtra, India. "Cap". May 2, 1994.

Class 1. No. 167669. Cooke & Kelvey (Delhi) Pvt. Ltd. of 3-Soindia House, Janpath, New Delhi-110 001, India, Indian Company. "Three pieces tea set". June 20, 1994.

Class 3. No. 166891. Senator H.C. Dr. H. C. Walter Holzer, Germany of Drostaweg 19, D-88709 Meersburg, Germany. "Compact lamp". February 28, 1994.

Class 3. No. 167612. GMI Engineering (P) Ltd., Indian Company of 33A, J. L. Nehru Road, 7th Floor, Calcutta-700 071, W. B., India. "Electronic weighing scale".

Class 3. No. 166747. Motorola, Inc. of 1303 East Algonquin Road, Schumburg, Illinois, 60196, U.S.A. "Selective call receiver". January 25, 1994.

Class 3. No. 167842. Jinashwar Writing Instruments P, Ltd. of 104, Udyog Bhawan, Sharma Industrial Estate, Valbhat Road, Goregaon (E), Bombay-400 063, Maharashtra, India, Indian Company. "Ball Pen". August 2, 1994.

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and Trade Marks